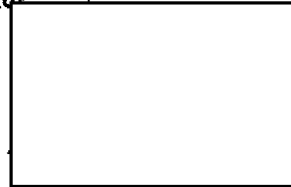


**SECRET**

copy 2 of 4

HX-25



23 February 1961

25X1A



*Just*  
*2 Mar 61*

Post Office Box 1407  
Main Post Office  
Washington 13, D. C.

Gentlemen:

Enclosed herewith are four (4) copies of the status report of technical progress on the photographic rectifier for the month of December, 1960.

A copy of the report is being submitted directly to the Contracting Officer.

Very truly yours,



25X1A

cc: Contracting Officer

Declass Review by NIMA/DOD

**SECRET**

PHOTOGRAPHIC RECTIFIER - PRINTER

Report of Technical Progress

I. Progress during December 1960 - January 1961

Reading and printing as a system was accomplished in December. 1:1 and 4:1 enlargement tapes were made for this testing and proved satisfactory. The first rectification tape from [ ] was incorrect but the one received 8 February 1961 has required only a few corrections.

The master control panels were completed and installed. The following were assembled: two track and lead screws, two CRT housings, one CRT control, one X and Y sweep attenuator, one X and Y servo, one set interconnecting cables, one printer platen, three printer programmers, one scan comparator, one 28V power supply.

A new type tape reader was investigated and ordered. We will receive the first of the three required in March. The major improvement is in the mechanical construction of the reading head by using solid pins to read through the tape instead of a trifurcated brush.

II. Anticipated Progress during February

The cabling (internal) will be completed on No. 2 reader printer and console and the majority of assembly and fabrication of unit 2 will be completed. The mechanical assembly of consoles No. 3 and 4 and No. 3 reader and printer will be completed. Testing with No. 1 unit will continue in anticipation of a demonstration the first part of March.

STATINTL

[ ]

Project Engineer

JVS:kp

encls.

PHASE DIAGRAM FOR READER  
Approved For Release 2002/06/17 : CIA-RDP78B04747A000600080003-5

	Pre-Design	Design	Release	Purchase Parts	Fabrication	Assembly
Structure	Complete	Complete	Complete	Complete	Complete	2 Complete
CRT Housing	Complete	Complete	Complete	Complete	3 Complete	2 Complete
CRT Elect. Parts	Complete	Complete	Complete	1 Complete		
Track Assy., X Drive Lead Screw	Complete	Complete	Complete	Complete less motor	Complete	2 Complete
Valve, Pneu. & Vacuum	Complete	Complete	Complete	Complete	Complete	Complete
Doors	Complete	Complete	Complete	Complete	Complete	In Work
Focus Current Regulator	Complete	Complete	Complete	Complete	Complete	Complete
X Deflection Amp.	Complete	Complete	Complete	Complete	Complete	2 Complete
Y Deflection Amp.	Complete	Complete	Complete	Complete	Complete	2 Complete
X Sweep Attenuator	Complete	Complete	Complete	Complete	Complete	2 Complete
Y Sweep Attenuator	Complete	Complete	Complete	Complete	Complete	2 Complete
Power Supply 20kv	Complete	Complete	Complete	Complete	Complete	3 Complete
Power Supply 1kv	Complete	Complete	Complete	Complete	Complete	Complete
PMT Drive & Servo	Complete	Complete	Complete	Complete	Complete	Complete
Platen & Index Assy.	Complete	Complete	Complete	Complete	2 Complete	2 Complete
Film Index Drive & Servo	Complete	Complete	Complete	Complete	2 Complete	2 Complete
PM Assy. & Video Amplifier	Complete	Complete	Complete	Complete	Complete	Complete
Optisyn Pre-Amp	Complete	Complete	Complete	Complete	Complete	Complete
Check Pulse Transistor Amp	Complete	Complete	Complete	Complete	Complete	Complete
Dodging Commutator	Complete	Complete	Complete	Complete	1 Complete	1 Complete
Sweep Linearizer	Complete	Complete	Complete	Complete	1 Complete	1 Complete
CRT Control	Complete	Complete	Complete	Complete	Complete	2 Complete
Dynamic Focus	Complete	75% Complete	Complete	Complete	1 Complete	1 Complete
Cables (Internal)	Complete	Complete	Complete	Complete	2 Complete	1 Complete

	Pre-Design	Design	Release	Purchase Parts	Fabrication	Assembly
Structure	Complete	Complete	Complete	Complete	2 Complete	1 Complete 1 In work
CRT Housing	Complete	Complete	Complete	Complete	3 Complete	1 Complete
CRT Elect. Parts	Complete	Complete	Complete	1 Complete	Complete	
Track Assy., X Drive Lead Screw	Complete	Complete	Complete	Complete	Complete	2 Complete
Valve, Pneu. & Vacuum	Complete	Complete	Complete	Complete	Complete	Complete
Doors	Complete	Complete	Complete	Complete	Complete	Complete
Focus Current Regulator	Complete	Complete	Complete	Complete	Complete	Complete
X Deflection Amp.	Complete	Complete	Complete	Complete	Complete	1 Complete
Y Deflection Amp.	Complete	Complete	Complete	Complete	Complete	1 Complete
X Drive Assy.	Complete	Complete	Complete	Complete less motors	Complete	3 Complete
Film Index	Complete	Complete	Complete	Complete	Complete	1 Complete
Lens Board	Complete	Complete	Complete	Complete	Complete	2 Complete
Flaten	Complete	Complete	Complete	Complete	Complete	2 Complete
Cassettes	Complete	Complete	Complete	Complete	Complete	2 Complete
Vacuum Pump				Complete		2 Complete
Power Supply 20kv	Complete	Complete	Complete	Complete	Complete	3 Complete
Power Supply 90V	Complete	Complete	Complete	Complete	Complete	Complete
Program Relay Control	Complete	Complete	Complete	Complete	Complete	Complete
Gurley Disc Assy.	Complete	Complete	Complete	Complete	Complete	2 Complete
Check Pulse Transistor Amp	Complete	Complete	Complete	Complete	Complete	Complete
HiFreq. Xsistor Amp	Complete	Complete	Complete	Complete	Complete	Complete
Check Pulse Separator	Complete	Complete	Complete	Complete	Complete	Complete
Sweep Linearizer	Complete	Complete	Complete	Complete	1 Complete	1 Complete
CRT Control	Complete	Complete	Complete	Complete	Complete	1 Complete
Dynamic Focus	Complete	75% Compl.			1 Complete	

## PHASE DIAGRAM FOR CONSOLE

	Pre-Design	Design	Release	Purchase Parts	Fabrication	Assembly
Y Index Register	Complete	Complete	Complete	Complete	2 Complete	2 Complete
Monitor Scope	Complete	Complete		Complete	Complete	2 Complete
Video Control	Complete	Complete		Complete	Complete	1 Complete 1 In Work
Sweep Generator	Complete	Complete		Complete	2 Complete 2 In Work	1 Complete 1 In Work
Power Control	Complete	Complete	Complete	Complete	2 Complete	1 Complete
Program Control	Complete	Complete	Complete		In Work	
Power Supply 125V	Complete	Complete	Complete	Complete	Complete	Complete
Power Supply 300V	Complete	Complete	Complete	Complete	3 Complete	2 Complete
Scan Servo	Complete	Complete	Complete	Complete	Complete	2 Complete
Scan Comparator	Complete	Complete	Complete	Complete	Complete	2 Complete
Scan Computer	Complete	Complete	Complete	Complete	Complete	2 Complete
Tape Reader	Complete	Complete		Complete	1 Complete	1 Complete
Power Supply 6.3V	Complete	Complete	Complete	Complete	Complete	5 Complete
Transportape	Complete	Complete		Complete	Complete	Complete
Power Supply 28V	Complete	Complete	Complete	Complete	Complete	3 Complete
Cables (internal)	Complete	Complete	Complete		2 Complete	1 Complete
Rack	Complete	Complete	Complete	Complete	2 Complete	2 Complete 2 In work

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